

[0131] NETWORK MEDIA ACCESS ARCHITECTURE
AND METHODS FOR SECURE STORAGE

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[0133] Abstract of the Invention

[0134] A network media access controller operates as a centralized control point for managing secure data storage in a network-attached data storage subsystem. The network media access controller includes first and second network interfaces. The first network interface is coupleable through a first network connection to a network-attached data storage subsystem including a storage device. The network-attached data storage subsystem is responsive to a data storage command to store first data to the storage device. The second network interface is coupleable through a second network connection to a client computer system. The client computer system selectively provides the data storage command with respect to second data. A network data processor is coupled to the first network interface to provide the data storage command and first data and to the second network interface to receive the data storage command and second data. The network data processor including an encryptor coupled to selectively encrypt the second data to provide the first data based on an encryption key corresponding to the storage device.